

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 088941-0203	SERIAL NO. 10/044,964 Unassigned		
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		APPLICANT		FILING DATE January 15, 2002			
		Sumio OGAWA et al.		GROUP ART UNIT 2125 2121			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
<i>SR</i>	A1	6,143,584	11/07/2000	Fukuda et al.	438	50	
	A2	6,194,235	02/27/2001	Ma	438	14	
	A3	6,192,291	02/20/2001	Kwon	700	121	
	A4	6,131,052	10/10/2000	Ban et al.	700	121	
	A5	6,112,130	08/29/2000	Fukuda et al.	700	121	
	A6	5,923,553	07/13/1999	Yi	700	110	
	A7	5,886,909	03/23/1999	Milor et al.	716	4	
	A8	5,642,296	06/24/1997	Saxena	702	84	
<b>FOREIGN PATENT DOCUMENTS</b>							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES
<i>SR</i>	A9	11-045839	02/16/1999	Japan			-
	A10	11-045919	02/16/1999	Japan			
	A11	10-339943	12/22/1998	Japan			
	A12	7-085697	03/31/1995	Japan			
	A13	4-288811	10/13/1992	Japan			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER <i>Shao</i>		DATE CONSIDERED <i>6/7/05</i>					
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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: April 4, 2002 (use as many sheets as necessary)				<b>Complete If Known</b>	
Sheet 04 of 15				Application Number	10/044,964
				Filing Date	01/15/2002
				First Named Inventor	Sumio OGAWA
				Group Art Unit	2121 2125
				Examiner Name	Unassigned RAO
				Attorney Docket Number	088941-0203

APR 08 2002					
<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
RAO	A1	10/044,963		Ogawa et al.	01/15/2002
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<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	
T <sup>6</sup>					

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
T <sup>6</sup>					

Examiner Signature		Date Considered	6/1/05
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<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

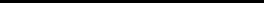
<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: December 17, 2003 <small>use as many sheets as necessary)</small>		Application Number	10/044,964
		Filing Date	01/15/2002
		First Named Inventor	Sumio OGAWA et al.
		Group Art Unit	2121-2125
		Examiner Name	Unassigned RAO
Sheet	1	of	1
		Attorney Docket Number	088941-0203

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>			
<i>[Signature]</i>	A1	10-233350		Toshiba KK	09/02/1998	
	A2	11-45839		Nippondenso Co. Ltd.	02/16/1999	
	A3	11-161917		Hitachi Ltd.	06/18/1999	

Examiner Signature		Date Considered	6/7/05
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